Figure 1A

No.	Kinase-Subclass	Family	Sub	Protein	αD sequence
1	Serine/Threonine	RAF		c-Raf	TQWCEGSSLYKHLHVQETKF
2	Serine/Threonine	RAF		Araf	TQWCEGSSLYHHLHVADTRF
3	Serine/Threonine	RAF		Braf	TQWCEGSSLYHHLHIIETKF
4	Serine/Threonine	CAPK		cAPKa	MEYVPGGEMFSHLRRIGRF
4	Serine/Threonine	CAPK		cAPKb	MEYVPGGEMFSHLRRIGRF
5	Serine/Threonine	CAPK		cAPKg	MEYVPGGEMFSRLQRVGRF
6	Serine/Threonine	PKC		PKCa	MEYVNGGDLMYHIQQVGKF
7	Serine/Threonine	PKC		PKCb	MEYVNGGDLMYHIQQVGRF
8	Serine/Threonine	PKC		PKCg	MEYVTGGDLMYHIQQLGKF
9	Serine/Threonine	PKC		PKCd	MEFLNGGDLMFHIQDKGRF
10	Serine/Threonine	PKC		PKCe	MEYVNGGDLMFQIQRSRKF
11	Serine/Threonine	PKC		PKCet	MEFVNGGDLMFHIQKSRRF
12	Serine/Threonine	PKC		PKCth	MEYLNGGDLMYHIQSCHKF

Figure 1B

13	Serine/Threonine	Akt/PKB		Akt1/Raca	MEYANGGELFFHLSRERVF
13	Serine/Threonine	Akt/PKB		Akt2/Racb	MEYANGGELFFHLSRERVF
14	Serine/Threonine	GSK3		GSK3a	LEYVPETVYRVARHFTKAK LII
15	Serine/Threonine	GSK3		GSK3b	LDYVPETVYRVARHYSRAK QTL
16	Serine/Threonine	CK II		CK IIa	FEHVNNTDFKQLYQTL
17	Serine/Threonine	CK II		CK IIa'	FEYINNTDFKQLYQIL
18	Serine/Threonine	bARK1,2		bARK1	LDLMNGGDLHYHLSQHGV F
18	Serine/Threonine	bARK1,2		bARK2	LDLMNGGDLHYHLSQHGV F
19	Serine/Threonine	GRK1		GRK1	MTIMNGGDIRYHIYNVDED NPGF
20	Serine/Threonine	GRK4		GRK4	LTIMNGGDLKFHIYNLGNPG F
21	Serine/Threonine	GRK5		GRK5	LTIMNGGDLKFHIYNMGNP GF
22	Serine/Threonine	GRK6		GRK6	LTLMNGGDLKFHIYHMGQA GF

Figure 1C

23	Serine/Threonine	CaMK		CaMK I	MQLVSGGELFDRIVEKGGY
24	Serine/Threonine	CaMK		CaMK IIa	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IIb	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IIg	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IId	FDLVTGGELFEDIVAREYY
25	Serine/Threonine	POLO		Plk	LELCRRRSLLELHKRRKAL
26	Serine/Threonine	POLO		Plx1	LELCRRRSLLELHKRRKAV
27	Serine/Threonine	POLO		polo	LELCKKRSMMELHKRRKSI
28	Serine/Threonine	POLO		SNK	LEYCSRRSMAHILKARKVL
29	Serine/Threonine	POLO		CDC5	LEICPNGSLMELLKRRKVL
30	Serine/Threonine	POLO		Sak	LEMCHNGEMNRYLKNRVK PF
31	Serine/Threonine	POLO		Prk	LELCSRKSLAHIWKARHTL

Figure 1D

31	Serine/Threonine	POLO		Fnk	LELCSRKSLAHIWKARHTL
32	Serine/Threonine	POLO		Plo1	LELCEHKSLMELLRKRKQL
33	Serine/Threonine	MARK/p78		MARK1	MEYASGGEVFDYLVAHGRM
33	Serine/Threonine	MARK/p78		MARK2	MEYASGGEVFDYLVAHGRM
34	Serine/Threonine	MARK/p78		P78	MEYASGGKVFDYLVAHGRM
35	Serine/Threonine	CDK		CDK2	FEFLHQDLKKFMDASALTGI
36	Serine/Threonine	CDK		CDK4	FEHVDQDLRTYLDKAPPPGL
37	Serine/Threonine	CDK		CDK6	FEHVDQDLTTYLDKVPEPGV
38	Tyrosine	SRC		c-Src	TEYMSKGSLLDFLKGETGKYL
39	Tyrosine	SRC		c-Yes	TEFMSKGSLLDFLKEGDGKYL
40	Tyrosine	SRC		Fyn	TEYMNKGSLLDFLKDGEGRAL
41	Tyrosine	SRC		c-Fgr	TEFMCHGSLLDFLKNPEGQDL

Figure 1E

42	Tyrosine	LYN/HCK		Lyn	TEYMAKGSLLDFLKSDEGGKV
43	Tyrosine	LYN/HCK		Hck	TEFMAKGSLLDFLKSDEGSKQ
44	Tyrosine	LCK		Lck	TEYMENGSLVDFLKTPSGIKL
45	Tyrosine	CSK		Csk	TEYMAKGSLVDYLRSRGRSVL
46	Tyrosine	CSK		Matk	MEHVSKGNLVNFLRTRGRALV
47	Tyrosine	FAK		Fak	MELCTLGELRSFLQVRKYSL
48	Tyrosine	ABL		c-Abl	TEFMTYGNLLDYLRECNRQEV
49	Tyrosine	ENDOTHELIAL	Tie/Tek	Tie	IEYAPYGNLLDFLRKSRVLETDPAFAREHGTASTL
50	Tyrosine	ENDOTHELIAL	Tie/Tek	Tek	IEYAPHGNLLDFLRKSRVLETDPAFAIANSTASTL
51	Tyrosine	ENDOTHELIAL	FGFR	Flg	VEYASKGNLREYLQARRPPGLEYCYNPSHNPEEQL
52	Tyrosine	ENDOTHELIAL	FGFR	Bek	VEYASKGNLREYLRARRPPGMEYSYDINRVPEEQM
53	Tyrosine	ENDOTHELIAL	FGFR	FGFR-3	VEYAAKGNLREFLRARRPPGLDYSFDTCKPPEEQL

Figure 1F

54	Tyrosine	ENDOTHELIAL	FGFR	FGFR-4	VECAAKGNLREFLRARRPPGPDLSPDGPRSSEGPL
55	Tyrosine	ENDOTHELIAL	PDGFR	PDGFR-a	TEYCFYGDLVNYLHKNRDSFLSHHPEKPKKELDIFGLNPA
56	Tyrosine	ENDOTHELIAL	PDGFR	PDGFR-b	TEYCRYGDLVDYLHRNKHTFLQHHSDKRRPPSAELYSNAL
57	Tyrosine	ENDOTHELIAL	Flt/Flk	Flt1	VEYCKYGNLSNYLKSKRDLFFLNKDAALHMEPKKEKMEPG
58	Tyrosine	ENDOTHELIAL	Flt/Flk	Flt4	VEFCKYGNLSNFLRAKRDAFSPCAEKSPEQRGRFRAMVEL
59	Tyrosine	ENDOTHELIAL	Flt/Flk	Flk1	VEFSKFGNLSTYLRGKRNEFVPYKSKGARFRQGKDYVGEL
60	Tyrosine	HGFR		c-Met	LPYMKHGDLRNFIRNETHNP
61	Tyrosine	HGFR		c-Sea	LPYMRHGDLRHFIRAQERSP
62	Tyrosine	HGFR		Ron	LPYMCHGDLLQFIRSPQRNP
63	Tyrosine	EGFR		EGFR	TQLMPFGCLLDYVREHKDNI
64	Tyrosine	EGFR		ErbB2	TQLMPYGCLLDHVRENRGRL
65	Tyrosine	EGFR		ErbB3	TQYLPLGSLLDHVRQHRGAL

Figure 1G

66	Tyrosine	EGFR		ErbB4	TQLMPHGCLLEYVHEHKDN I
67	Tyrosine	RET		Ret	VEYAKYGSLRGFLRESRKV GPGYLGSGGSRNSSSLDHPD ERAL
68	Tyrosine	TRK-NGFR		Trk - NGFR	FEYMRHGDLNRFLRSHGPD AKLLAGGEDVAPGPL
69	Tyrosine	TRK-NGFR		TrkB	FEYMKHGDLNKFLRAHGPD AVLMAEGNPPTEL
70	Tyrosine	TRK-NGFR		TrkC	FEYMKHGDLNKFLRAHGPD AMILVDGQPRQAKGEL
71	Tyrosine	SYK/ZAP70		Syk	MEMAELGPLNKYLQQNRH V
72	Tyrosine	SYK/ZAP70		Zap70	MEMAGGGPLHKFLVGKRE EI
73	Tyrosine	TYK/JAK		Jak1	MEFLPSGSLKEYLPKNKNKI
74	Tyrosine	TYK/JAK		Jak2	MEYLPYGSLRDYLQKHKER I
75	Tyrosine	TYK/JAK		Jak3	MEYLPSGCLRDFLQRHRAR L
76	Tyrosine	TYK/JAK		Tyk2	MEYVPLGSLRDYLPRHSI
77	Serine/Threonine	IAK		Iak1	LEYAPLGTVYRELQKLSKF

Figure 1H

78	Serine/Threonine	CHK		Chk1	LEYCSGGELFDRIEPDIGM
79	Serine/Threonine	IKK		IKK-1	MEYCSGGDLRKLLNKPENCCGL
80	Serine/Threonine	IKK		IKK-2	MEYCQGGDLRKYLNQFENCCGL
81	Serine/Threonine	DAPK		DAPK	LELVAGGELFDFLAEKESL
82	Tyrosine	IRK		IRK	MELMAHGDLKSYLRSLRPEAENNPGRPPPTL
83	Serine/Threonine	Activin/TGFbR	TGFbR	TGFbRII	TAFHAKGNLQEYLTRHVI
84	Serine/Threonine	Activin/TGFbR	ACTR	ACTRIIA	TAFHEKGSLSDFLKANVV
85	Serine/Threonine	Activin/TGFbR	ACTR	ACTRIIB	TAFHDKGSLTDYLKGNII
86	Serine/Threonine	Activin/TGFbR	ALK	ALK1	THYHEHGSLYDFLQRQTL
87	Serine/Threonine	Activin/TGFbR	ALK	ALK2	THYHEMGSLYDYLQLTTL
88	Serine/Threonine	Activin/TGFbR	ALK	ALK3	TDYHENGSLYDFLKCATL
89	Serine/Threonine	Activin/TGFbR	ALK	ALK4	SDYHEHGSLFDYLNRYTV

Figure 1I

89	Serine/Threonine	Activin/TGFbR	ALK	ALK5	SDYHEHGSLFDYLNRYTV
90	Serine/Threonine	Activin/TGFbR	ALK	ALK6	TDYHENGSLYDYLKSTTL
91	Tyrosine	DDR		DDR1	TDYMENGDLNQFLSAHQL
92	Tyrosine	DDR		DDR2	TEYMENGDLNQFLSRHEP
93	Serine/Threonine	ILK		ILK	THWMPYGSLYNVLHEGTNFVV
94	Tyrosine	MAPK		JNK	MELMDANLCQVIQMEL

Figure 2A

Protein Kinase																			
c-Raf	T	Q	W	C	E	G	S	S	L	Y	K	H	L	H	I	E	T	K	F
Araf	S	N	F	S	D	A	T	T	I	F	H		I		V	D	S	R	W
Braf			Y		*				M	W	R		M		M	*			Y
									V				V		L				

cAPKa	M	E	Y	V	P	G	G	E	M	F	S	H	L	R	R	I	G	R	F
cAPKb	I	Q	F	L	N	A	A	D	L	M	F	R	I	Q	H	V	R	K	W
cAPKg	L	D	W	A	T			*	I	W	Y	Q	M	S	Q	E	H	V	Y
	V	N		I	S				V	Y	W	K	V	K	D	L	K	I	
		*		M	Q					I	T	N		N	K	K	A	L	
				G						L				T	S	S		M	
										V					N	C			
															E	M			
															T	D			
															*	R			
																T			
																*			

PKCa	M	E	Y	V	N	G	G	D	L	M	F	H	I	Q	Q	V	G	K	F
PKCb	I	D	F	L	T	A	A	E	I	I	Y	Q	L	N	D	L	R	R	W
PKCg	L	*	W	I	Q			*	M	L	W	N	M		R	K	H		Y
PKCd	V			M	S				V	V			V		K	S	K		
PKCe															S	C	A		
PKCet															N	I			
PKCth															E	M			
															T	R			
															*	T			

Akt1/Raca	M	E	Y	A	N	G	G	E	L	F	F	H	L	S	R	E	R	V	F
Akt2/Racb	I	Q	F	V	Q	A	A	D	I	W	W		I	T	H	D	K	I	W
DmRAC	L	D	W	I				*	M	Y	Y		M		K	*		L	Y
	V	N		L					V				V					M	
		*		M															
				G															

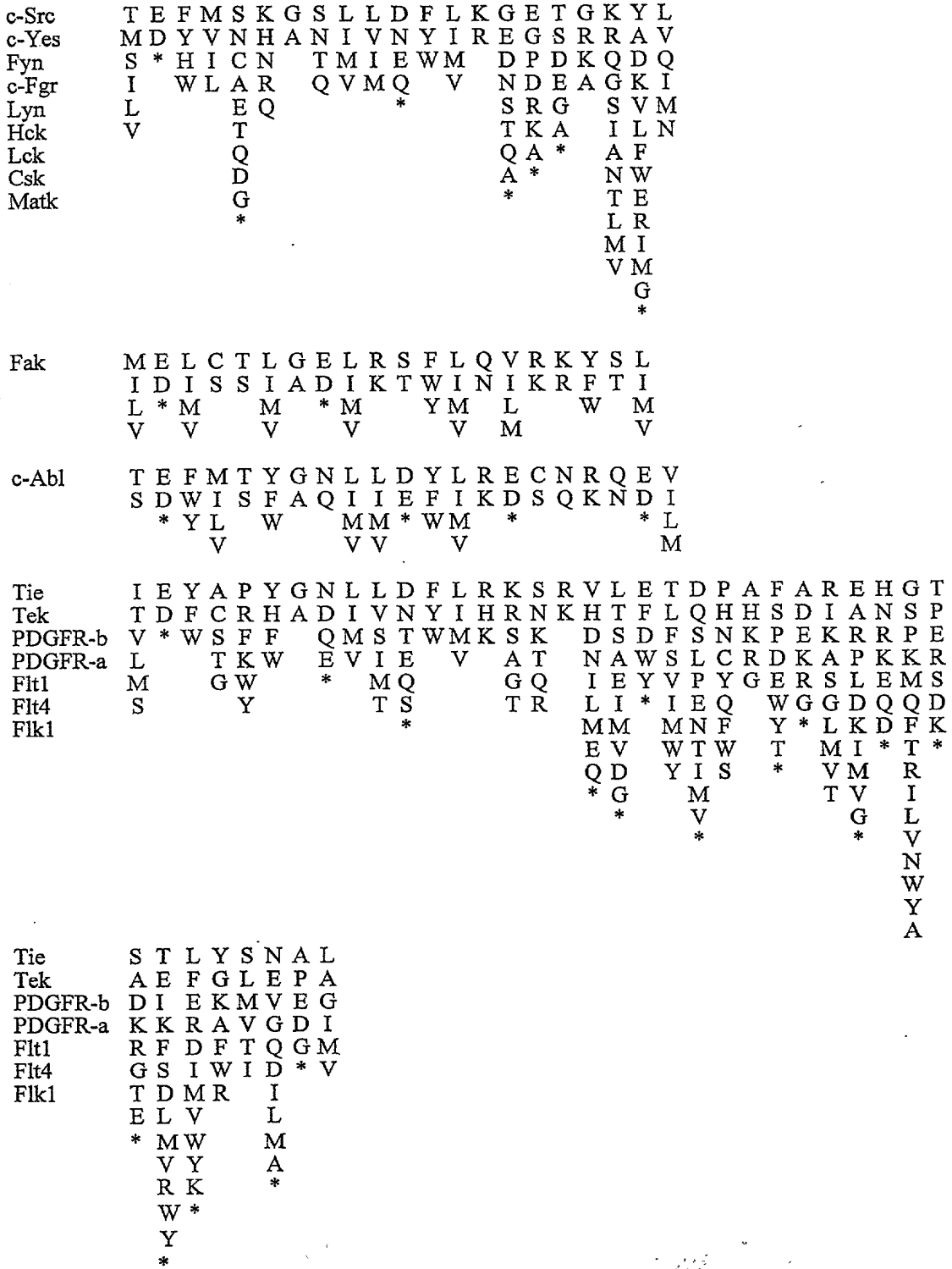
GSK3a	L	E	Y	V	P	E	T	V	Y	R	V	A	R	H	Y	T	K	A	K	Q	I	I
GSK3b	I	D	F	I		D	S	I	H	K	I	I	K	Q	F	S	R	T	N	L	T	L
Sgg/zw3	M	*	W	L		*		L	F		L	V		N	W	A		L	R	N	R	M
ASK-a	V			M				M	W		M	L				N		S	Q	I	L	V
ASK-g												M				Q		I		M	M	
												G				G		M		V	V	
																		V			S	
																		G			K	

CK IIa	F	E	H	V	N	N	T	D	F	K	Q	L	Y	Q	T	L
CK IIa'	W	D	Y	I	Q	Q	S	E	W	R	N	I	F	N	I	I
	Y	*	F	L				*	Y			M	W		S	M
			W	M								V			M	V
															V	
															L	

Figure 2B

```
bARK1   L D L M N G G D L H Y H L S Q H G V F N P G F
bARK2   M T I I Q A A E I R F   I Y N V D E D G F A W
GRK1    I E M L       * M K W   M T H L E N P Q W   Y
GRK4    V S V V         V       V F   M A Q A A Y
GRK5      *                       W   I * I W
GRK6                                      L Y
                                          M E
                                          D G
                                          * *

CaMK I    M Q L V S G G E L F D R I V E K G G Y
CaMK IIa  F D I I T A A D I W E D L I A R E Y F
CaMK IIb  W N M L       * M Y * K M L D   D F W
CaMK IIg  Y E V M         V     E V M G   A W
CaMK IId  I *                   *     *   * A
          L
          V

Plk    L E L C R R R S L L E L H K R R K A L F
Plx1   I D I S K K G E M M A I L R A   H S V W
Polo   M * Y   S N K D I N R Y W   N   V V I Y
SNK    V   M   P H A T V A H M I   K   R K P
CDC5       V   H Q   *   I D V M   Q   I T M
Sak        F   E         V K F V   G   L Q
Prk        W   T         Q G W F       M T
Fnk            D         G *   Y         I
Plo1           *                         L
                                         M
                                         R
                                         N
                                         G

P78     M E Y A S G G E V F D Y L V A H G R M
MARK1   L D F G T A A K I W E F I I G   A K I
MARK2   I * W           D L Y * W M L       L
Par1    V               R M       V M       V
                        *

CDK2    F E F L H Q D L K K F M D A V A L T G I
CDK4    W D H V D N E I R T Y L E K S P P P A L
CDK6    Y * W I E   * M T R W I * R A G E S   V
            Y M *     V S S   V   G I   I     M
                                    L   M
                                    M   V
                                    T   D
                                        *
```

Figure 2C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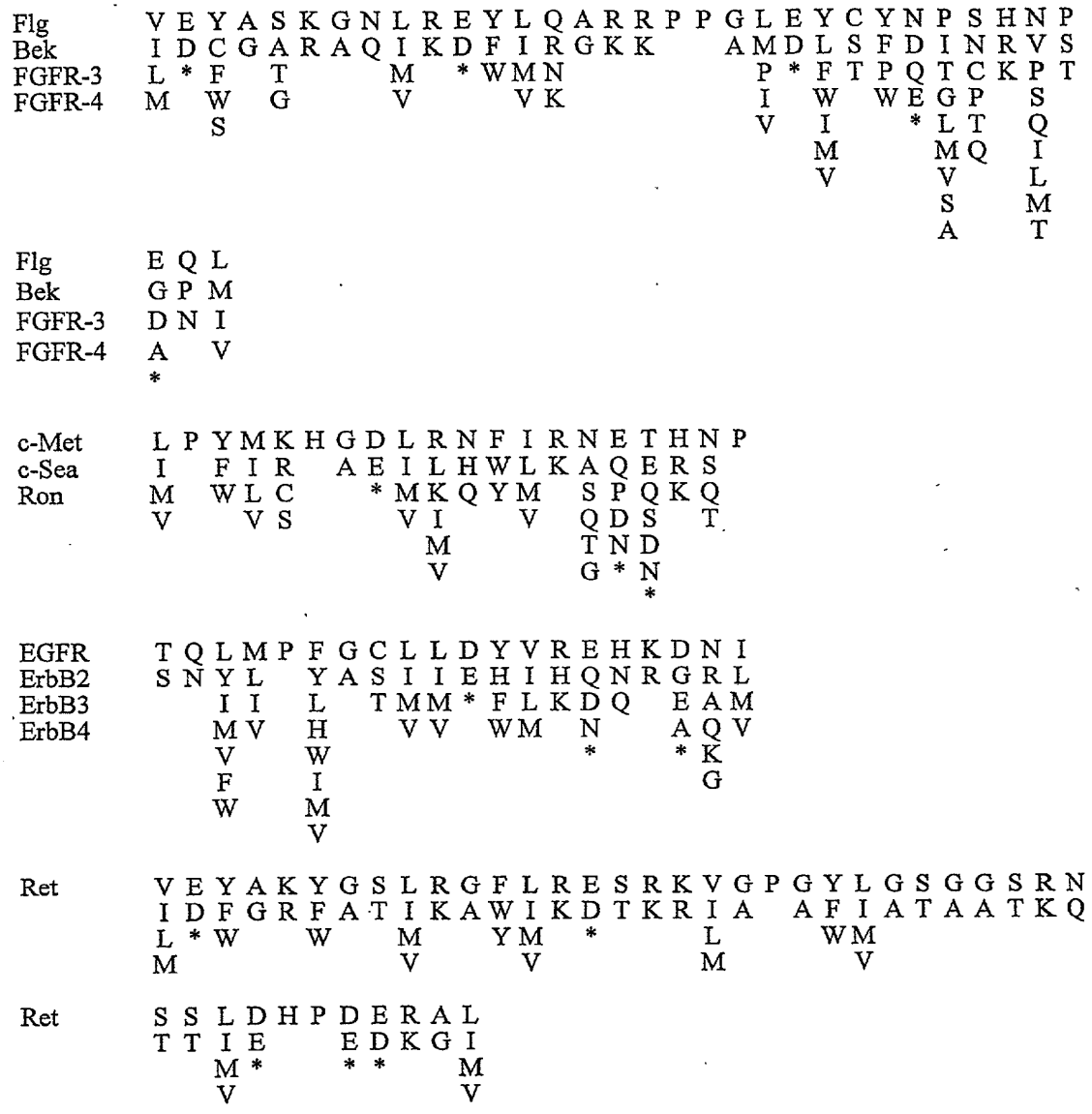
c-Yes
Fyn
c-Fgr
Lyn
Hck
Lck
Csk
Matk
Fak
c-Abl
Tie
Tek
PDGFR-b
PDGFR-a
Flt1
Flt4
Flk1

Figure 2D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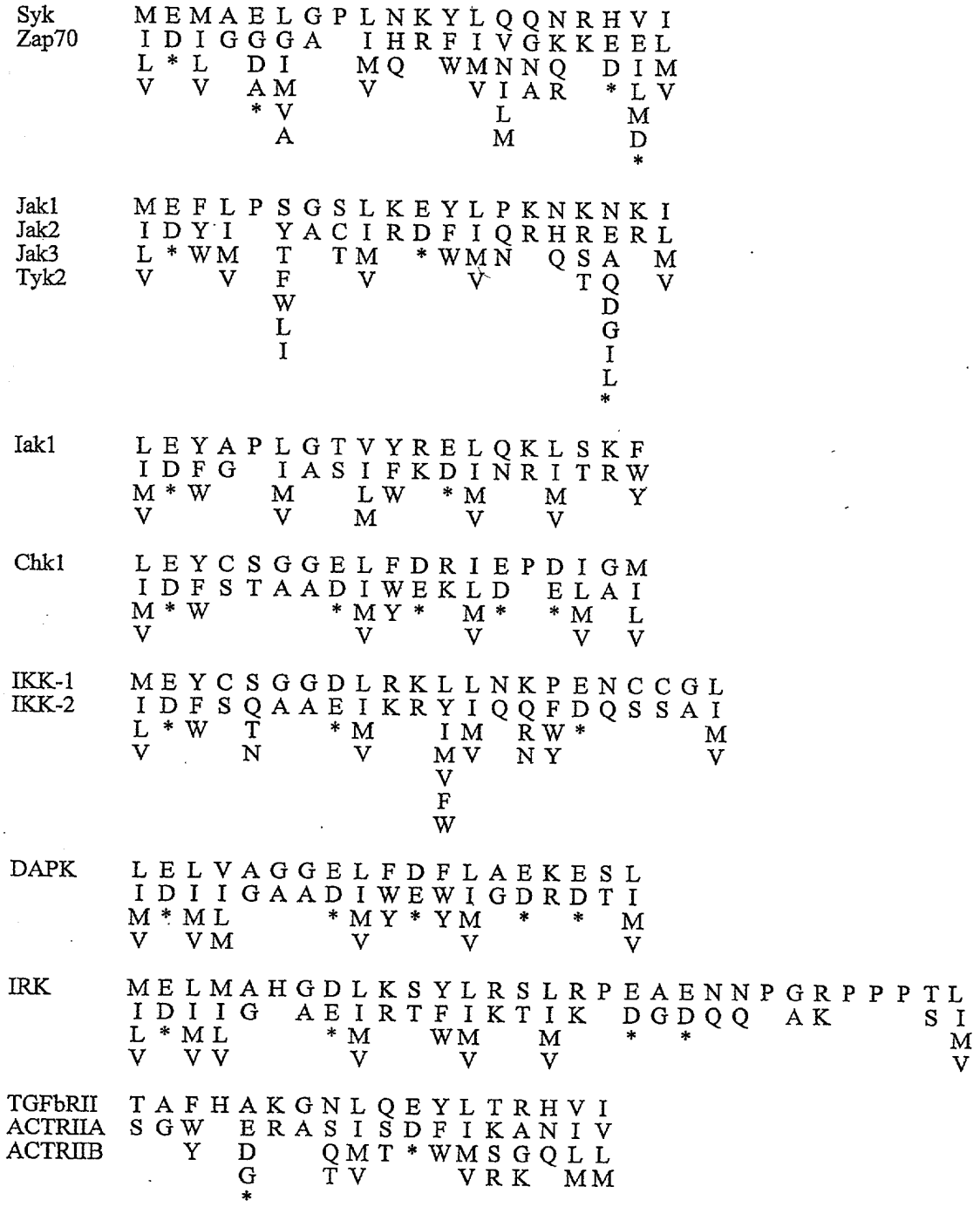
Bek
FGFR-3
FGFR-4
c-Met
c-Sea
Ron
EGFR
ErbB2
ErbB3
ErbB4
Ret
Ret

Figure 2E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Zap70
Jak1
Jak2
Jak3
Tyk2
Iak1
Chk1
IKK-1
IKK-2
DAPK
IRK
TGFbRII
ACTRIIA
ACTRIIB

Figure 2F

ALK1	T	H	Y	H	E	H	G	S	L	Y	D	F	L	Q	R	Q	T	L
ALK2	S	D	F		D	M	A	T	I	F	E	Y	I	K	L	T	S	V
ALK3		E	W		*	N			M	W	*	W	M	N	C	A		I
ALK4		*				I			V				V	R	S	Y		M
ALK5						L									K	N		
ALK6						V									I	S		
						Q									M	F		
															V	W		
															T	G		

Trk-NGFR	F	E	Y	M	R	H	G	D	L	N	R	F	L	R	S	H	G	P	D	A	K	L	L	A	G	G	E	D	V	A	P
TrkB	W	D	F	I	K		A	E	I	Q	K	W	I	K	A		A		E	G	V	I	M	V	E	A	N	P	P	T	E
TrkC	Y	*	W	L				*	M			Y	M		T				*		M	M	I	I	D		Q	E	R	Q	A
				V					V				V		G						R	V	V	L	A		D	*	I	S	D
																					I			M	*		*		L	N	G
																					L			G					M	G	*
																													K		

Trk-NGFR	P	L	L
TrkB	G	E	I
TrkC	A	I	M
		M	V
		V	
		D	
		*	

DDR1	T	D	Y	M	E	N	G	D	L	N	Q	F	L	S	A	H	Q	L
DDR2	S	E	F	I	D	Q	A	E	I	Q	N	W	I	T	R		E	P
		*	W	L	*			*	M			Y	M		K		N	I
				V					V				V		G		D	V
																	*	M

ILK	T	H	W	M	P	Y	G	S	L	Y	N	V	L	H	E	G	T	N	F	V	V
	S		F	I		F	A	T	I	F	Q	I	I		D	A	S	Q	W	I	I
			Y	L		W			M	W		L	M		*				Y	L	L
				M					V			M	V							M	M

Figure 3A

	Peptide	N-terminal		C-terminal
	Akt1/Raca			
95	K014D001	Myristyl-	G M E Y A N G G E L F F H L S R E R V F	-NH2
	ALK1			
96	K048D101	Myristyl-	G T H Y H E H G S L Y D F L Q R Q T L	-NH2
	Braf			
97	K003D001	Acetyl-	K K K K K K G G S S L Y H H L H I I E T K F	-NH2
98	K003D101	Myristyl-	G T Q W S E G S S L Y H H L H I I E T K F	-NH2
	c-Abl			
99	K061D101	Myristyl-	G T E F M T Y G N L L D Y L R E C N R Q E V	-NH2
	c-Met			
100	K073D101	Myristyl-	G L P Y M K H G D L R N F I R N E T H N P	-NH2
	c-Raf			
101	K001D101	Myristyl-	G T Q W S E G S S L Y K H L H V Q E T K F	-NH2
102	K001D001	Acetyl-	S S L Y K H L H V Q E! T K F	-NH2
	c-Sea			
103	K074D101	Myristyl-	G L P Y M R H G D L R H F I R A Q E R S P	-NH2
	c-Src			
104	K051D101	Myristyl-	G T E Y M S K G S L L D F L K G E T G K Y L	-NH2
105	K051D001	Acetyl-	G S L L D! L K G E! T G K F L	-NH2
	CDK2			
106	K049D101	Myristyl-	G F E F L H Q D L K K F M D A S A L T G I	-NH2
107	K049D001	Acetyl-	D! L K K F M D! A S A L T G M	-NH2
	CDK4			
108	K050D001	Acetyl-	D! L R T Y L D! K A P P P G L	-NH2
109	K050D101	Myristyl-	G F E H V D Q D L R T Y L D K A P P P G L	-NH2
	CDK6			
110	K089D101	Myristyl-	G F E H V D Q D L T T Y L D K V P E P G V	-NH2
	Chk1			
111	K088D102	Myristyl-	G E Y S S G G E L F D R I E P D I G M	-NH2
112	K088D101	Myristyl-	G E Y A S G G E L F D R I E P D I G M	-NH2
	CK IIa			
113	K022D001	Acetyl-	K K K K K G G N N T D F K Q L Y Q T L	-NH2
114	K022D101	Myristyl-	G F E H V N N T D F K Q L Y Q T L	-NH2

Figure 3B

	Csk			
115	K058D101	Myristyl -	G T E Y M A K G S L V D Y L R S R G R S V L	- NH2
116	K058D001	Acetyl -	G S L V D! L R S R G R S V L	- NH2
	Fak			
117	K060D101	Myristyl -	G M E L S T L G E L R S F L Q V R K Y S L	- NH2
	FGFR-3			
118	K071D101	Myristyl -	G G N L R E F L R A R R P P G L E	- NH2
119	K071D001	Acetyl -	G N L R E! F L R A R R P P G L E!	- NH2
120	K071D102	Myristyl -	G V E Y A A K G N L R E F L R A R R P P G L E	- NH2
121	K071D901	Stearyl -	G S F D T S K P P E E Q L	- NH2
	Flk1			
122	K068D101	Myristyl -	G V E F S K F G N L S N F L R A K R N L F V P	- NH2
123	K068D101	Myristyl -	G G N L S N F L R A K R N L F V P	- NH2
124	K068D001	Acetyl -	G N L S N F L R A K R N L F V P	- NH2
125	K068D901	Stearyl -	G R F R Q G K D Y V G E L	- NH2
	GSK3b			
126	K018D003	Acetyl -	K K K K K K G G G V A R H Y S R A K Q T L P	- NH2
127	K018D002	Acetyl -	V A R H Y S R A K Q T L P	- NH2
128	K018D101	Myristyl -	G D Y V P E T V Y R V A R H Y S R A K Q T L	- NH2
129	K018D001	Acetyl -	R V A R H Y S R A K Q T	- NH2
	Hck			
130	K056D101	Myristyl -	G T E F M A K G S L L D F L K S D E G S K Q	- NH2
	Jak1			
131	K087D101	Myristyl -	G L E Y A P L G T V Y R E L Q K L S K F	- NH2
	IKK-1			
132	K090D101	Myristyl -	G M E Y S S G G D L R K L L N K P E N S S G L	- NH2
	IKK-2			
133	K091D101	Myristyl -	G M E Y S Q G G D L R K Y L N Q F E N S S G L	- NH2
	ILK			
134	K107D101	Myristyl -	G T H W M P Y G S L Y N V L H E G T N F V V	- NH2
135	K107D901	Stearyl -	G Y N V L H E G T N F V V	- NH2

Figure 3C

	IRK		
136	K094D101	Myristyl- G M E L M A H G D L K S Y L R S L R P	-NH2
137	K094D001	Acetyl- A Q N N P G R P P P T L	-NH2
138	K094D102	Myristyl- G L K S Y L R S L R P E A	-NH2
139	K094D103	Myristyl- G A E N N P G R P P P T L	-NH2
140	K094D104	Myristyl- G L R P E A E N N P G R P P P T L	-NH2
	Jak1		
141	K084D101	Myristyl- G M E F L P S G S L K E Y L P K N K N K I	-NH2
142	K084D102	Myristyl- G L K E Y L P K N K N K I	-NH2
	Jak2		
143	K085D102	Myristyl- G L R D Y L Q K H K E R I	-NH2
144	K085D105	Stearyl- G L R D Y L Q K H K E	-NH2
	Jak3		
145	K086D101	Myristyl- G M E Y L P S G S L R D F L Q R H R A L	-NH2
146	K086D102	Myristyl- G M E Y L P S G S L R D F L Q R H R A R L	-NH2
147	K086D103	Myristyl- G L R D F L Q R H R A R L	-NH2
	Lck		
148	K057D001	Acetyl- G S L V D! L K T P S G I K L	-NH2
149	K057D101	Myristyl- G T E Y M E N G S L V D F L K T P S G I K L	-NH2
	Lyn		
150	K055D101	Myristyl- G T E Y M A K G S L L D F L K S D E G G K V	-NH2
	MARK1		
151	K045D101	Myristyl- G M E Y A S G G E V F D Y L V A H G R M	-NH2
	PDGFR-b		
152	K064D001	Acetyl- G D! L V D! Y L H R N K H T F L	-NH2
153	K064D101	Myristyl- G T E Y S R Y G D L V D Y L H R N K H T F L	-NH2
	PKCb		
154	K008D101	Myristyl- G M E Y V N G G D L M Y H I Q Q V G R F	-NH2
155	K008D001	Acetyl- K K K K K K G G D L M Y H I Q Q V G R F	-NH2
	Plk		
156	K035D001	Acetyl- R S L L E! L H K R R K A	-NH2
157	K035D101	Myristyl- G R S L L E! L H K R R K A	-NH2

Figure 3D

158 K035D102	Myristyl -	G L E L S R R R S L L E L H K R R K A L	- NH2
Ret			
159 K080D101	Myristyl -	G V E Y A K Y G S L R G F L R E S R K V G P	- NH2
160 K080D001	Acetyl -	G S L R G F L R E S R K V G P	- NH2
Ron			
161 K075D101	Myristyl -	G L P Y M C H G D L L Q F I R S P Q R N P	- NH2
SNK			
162 K038D101	Myristyl -	G L E Y S S R R S M A H I L K A R K V L	- NH2
Syk			
163 K082D101	Myristyl -	G M E M A E L G P L N K Y L Q Q N R H V	- NH2
TGFbRII			
164 K093D101	Myristyl -	G T A F H A K G N L Q E Y L T R H V I	- NH2
TrkB			
165 K102D101	Myristyl -	G F E Y M K H G D L N K F L R A H G P D A V L M A	- NH2
166 K102D106	Myristyl -	G L R A H G P D A V L M A	- NH2
167 K102D107	Myristyl -	G L R A H G P D A V L	- NH2
168 K102D108	Myristyl -	G L N F K L R A H G P D A	- NH2
169 K102D109	Myristyl -	G F K L R A H G P D A V L	- NH2
Zap70			
170 K083D101	Myristyl -	G M E M A G G G P L H K F L V G K R E E I	- NH2

K:\RWAGNER\CMCC\679\FIGURES

% change in daily food consumption (g/mouse/d)

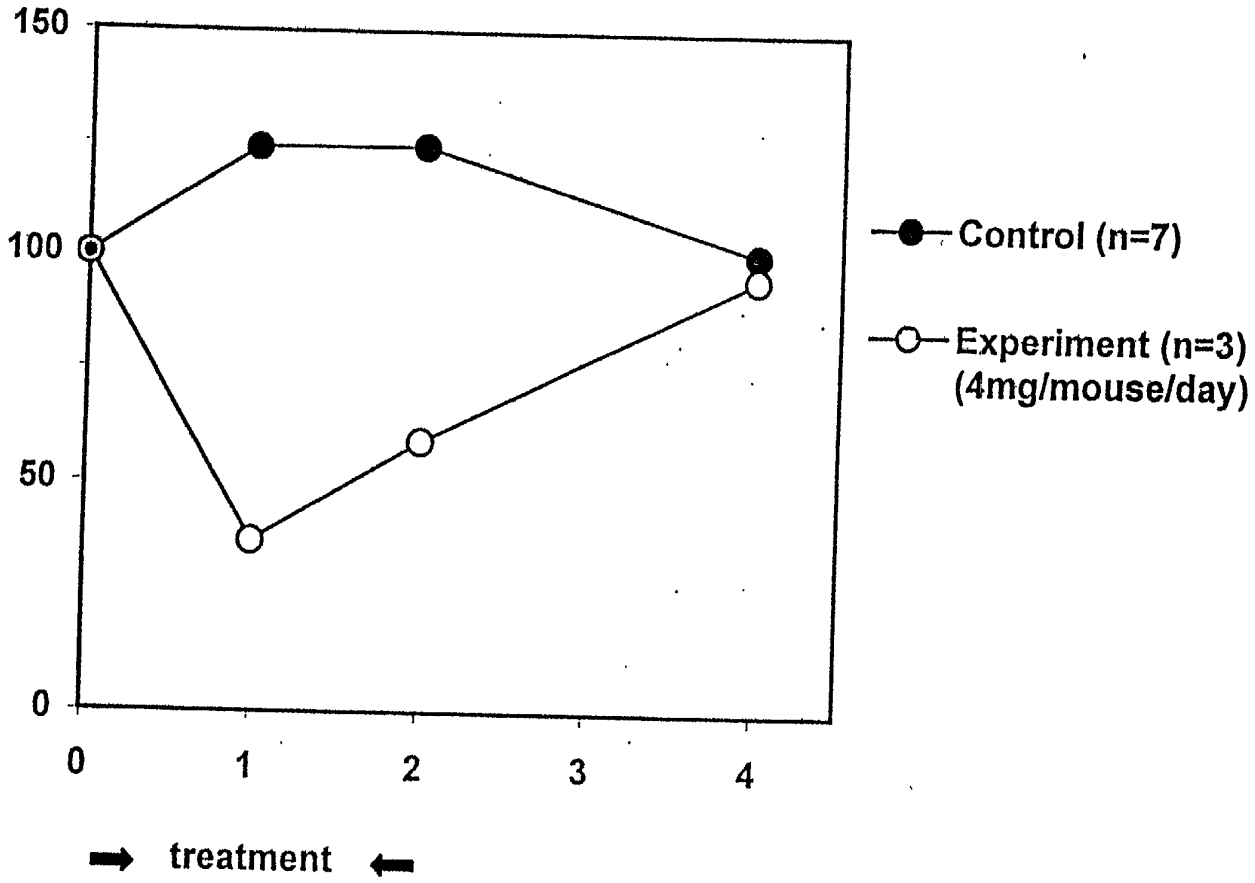

Figure 4

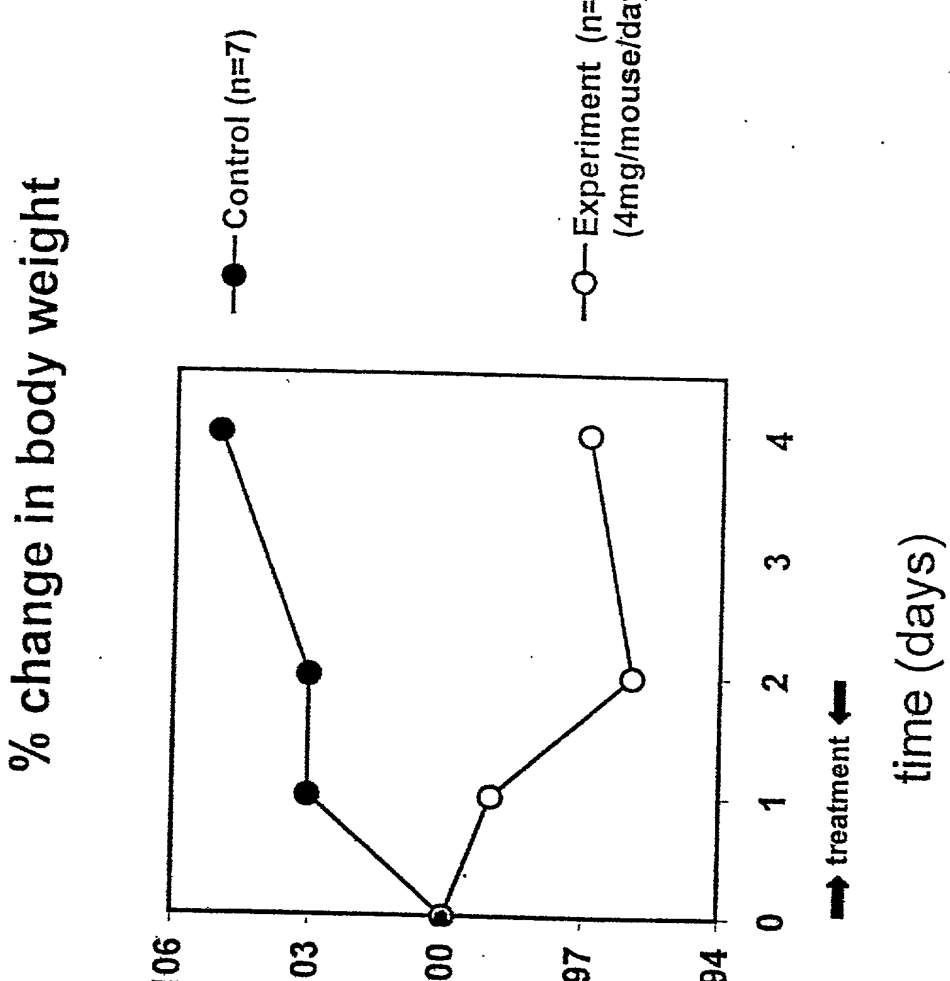
% change in body weight
106
103
100
97
94
0
1
2
3
4
treatment
time (days)
Control (n=7)
Experiment (n=3)
(4mg/mouse/day)

Figure 5

MODULATION OF TH1/TH2 DIFFERENTIATION BY A JAK-DERIVED PEPTIDE

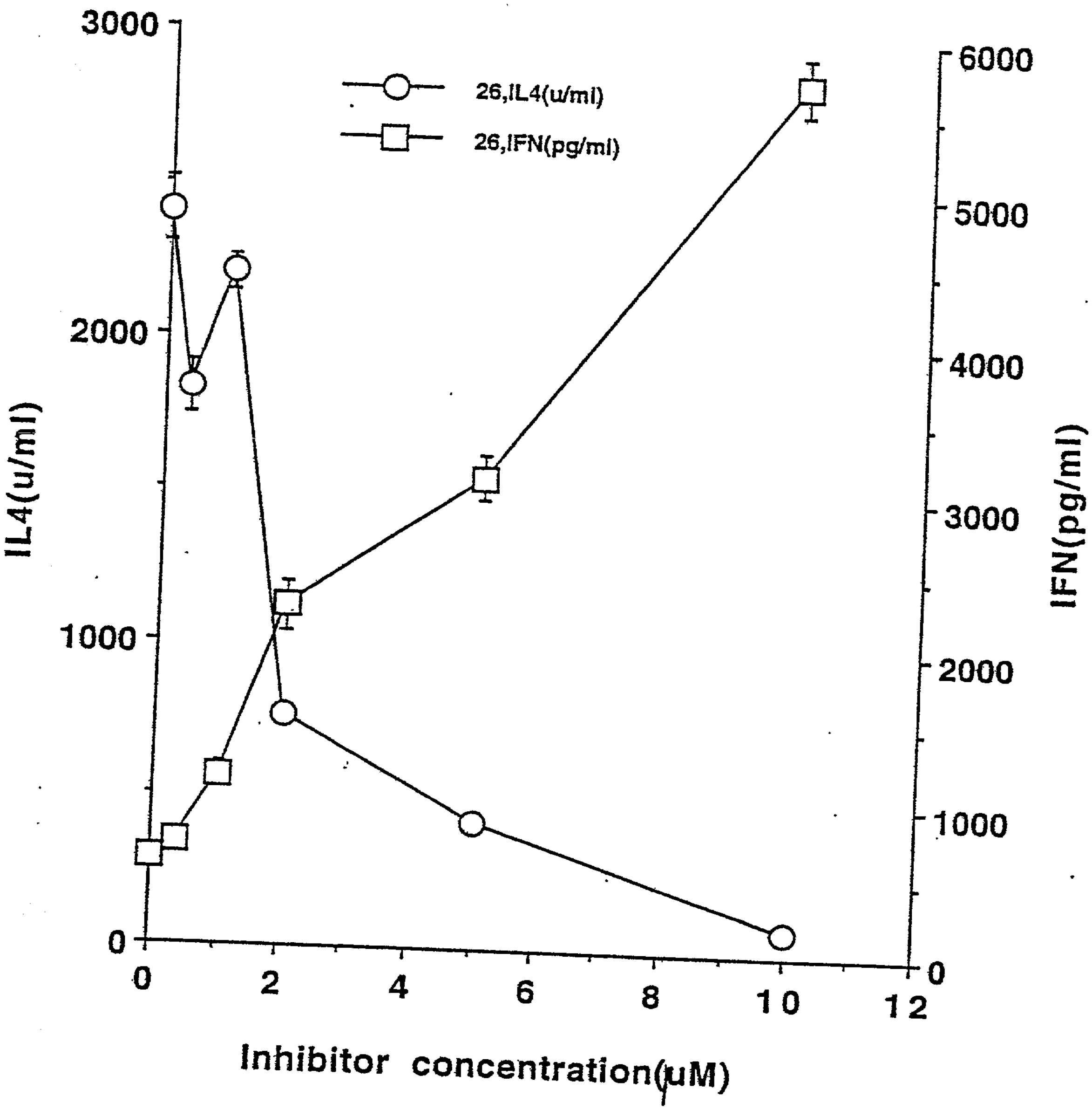

Figure 6

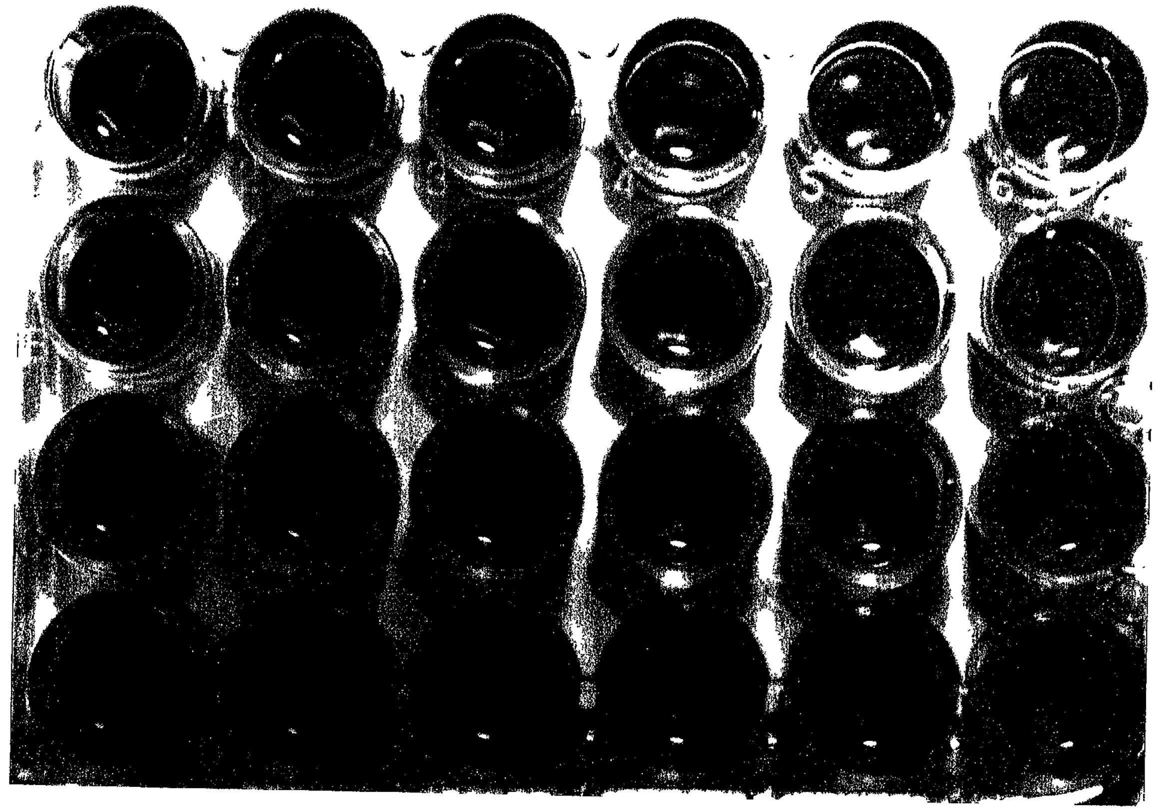

Fig. 7